

1ST GHANA MULTI-STAKEHOLDER FORUM

**AT KOFI ANNAN ICT CENTRE OF
EXCELLENCE**

DR. EDWARD KOFI OMANE BOAMAH

MINISTER FOR COMMUNICATIONS

11TH FEBRUARY 2014

IMPACT OF BROADBAND INTERNET

World Bank study indicates that in low and middle income countries every 10-percentage point increase in broadband penetration generates a boost of 1.38 additional percentage points to GDP growth (WB, 2010)

WHERE WE ARE

Mobile Broadband Usage Ranking October 2013

Global rank	Country	Penetration rate	
49	Ghana	33.3%	1 st in Africa
55	Zimbabwe	29.7%	
56	Namibia	28.8%	
60	Egypt	26.9%	
62	South Africa	26%	
65	Cape Verde	22.5%	
69	Mauritius	21.5%	
76	Botswana	16.6%	
77	Sudan	16.4%	
82	Libya	13.8%	

Source: International Telecommunications Union (ITU) –

See more at: <http://www.itwebafrica.com/mobile/352-ghana/231724-ghana-has-africas-highest-mobile-broadband-usage-rates#sthash.mc35lJWC.dpuf>

ROLE OF MINISTRY OF COMMUNICATIONS

Policy Objectives

To support the development of ICT Industry, Research and Development and networking among stakeholders.

To streamline and update regulatory laws and legislations in conformity with changing industry trends and monitor the creation of an even regulatory field to enhance fair competition and investment drive.



To promote the development of communications infrastructure and services for national development;

To facilitate investment in, and, strengthening of the institutional and human resource capacities in ICT to enhance quality service delivery;

To promote e-government and e-governance activities for transparency in Government business in the process of transforming the country into a knowledge economy/society;

Broadband Targets

Securing download speed of at least 2 Mbps

Targets	Year	Bandwidth
20% Penetration	2012	2 Mbps
40% Penetration	2015	2Mbps
90% Penetration	2020	2Mbps

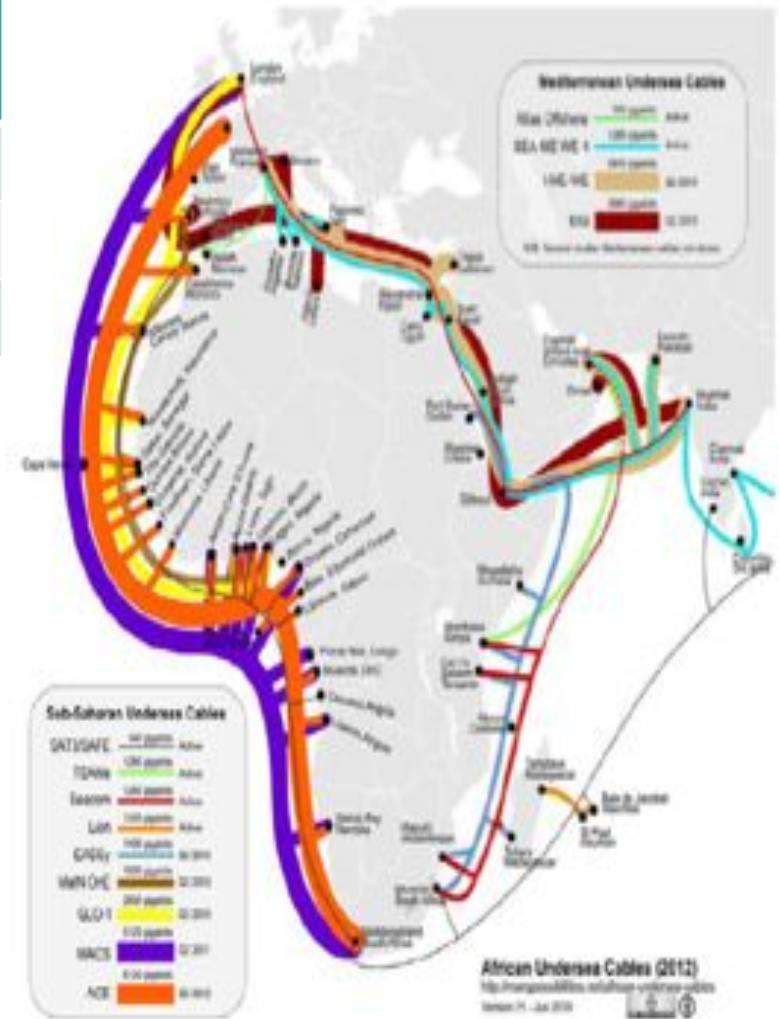
STATUS OF BROADBAND INFRASTRUCTURE

Liberalizing International Connectivity

Year	No. of Operators	Price per E1 USD
2009	1	4,500.00
2011	3	2000.00
2012	5	400.00







OPERATORS IN 2013

- SAT-3 Submarine -340Gbps
- Main One Cable -1.92 Tbps
- Glo-1 – 640Gbps
- WACS – 5.2 Tbps
- ACE - 5.2 Tbps



NATIONAL OPTIC FIBRE DEPLOYMENT

Terrestrial In-Country Fibre for Ghana

	NCBC Underground Fibre 24 Core
	Vodafone Underground Fibre 48-Core
	MTN Fibre connectivity
	Vodafone International Fibre Connectivity
	TiGO Fibre Connectivity
	Eastern Corridor Fibre MOC/ Alcatel-Lucent



EASTERN CORRIDOR OPTIC FIBRE CONSTRUCTION

Construction of 780km Eastern Corridor Fibre project



EASTERN CORRIDOR OPTIC FIBRE CONSTRUCTION



COMMENCEMENT OF CONSTRUCTION OF EASTERN CORRIDOR LINK FROM WAMALE, TAMALE



WORK IN PROGRESS

Construction of 780km Eastern Corridor Fibre project



COLLABORATION FOR INFRASTRUCTURE SHARING



COLLABORATION FOR INFRASTRUCTURE SHARING

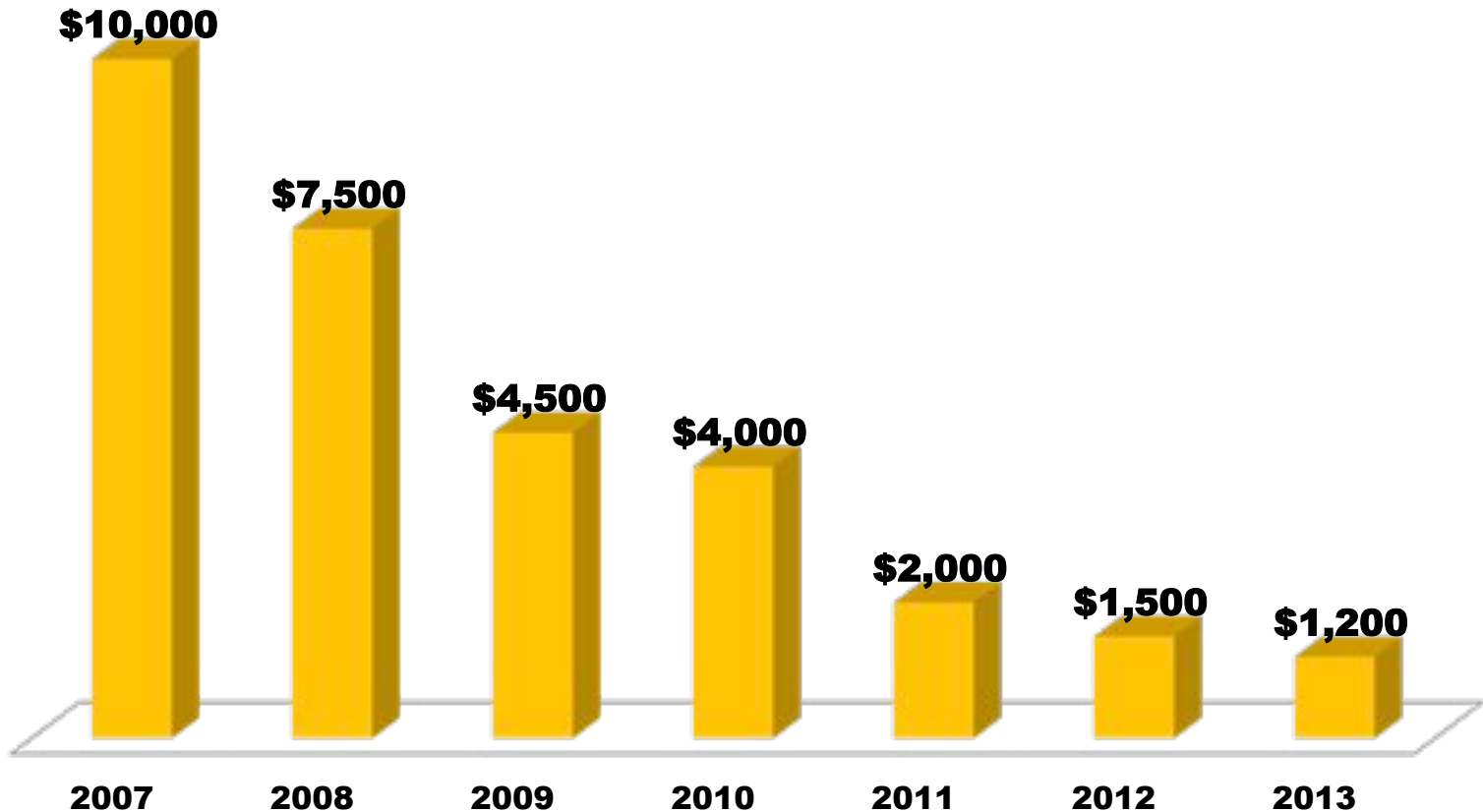


COLLABORATION FOR INFRASTRUCTURE SHARING



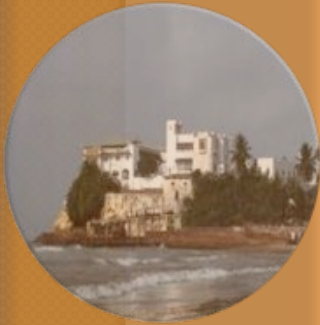
REDUCING COST OF INTERNET – BANDWIDTH PRICES OVER THE YEARS

■ BANDWIDTH PRICES



PROMOTING E-GOVERNMENT

Government Infrastructure Initiatives



**Metropolitan Area Network
Ministries Enclave
(10Gbps) + 4 New
4Gbps Rings**



**WAN - WiMAX
Wireless Network
(30 BTS) Upgrade
to LTE + Increase
30 BTS this and
incrementally by 60
annually for
coverage of all
Districts by 2015**



**National, Secondary
& Disaster
Recovery
Datacenters**



**Over 12,000 LAN
Ports in MDAs,
Schools, Police
station, hospitals**



**Fiber cable –
Eastern & Western
Corridors**



CHALLENGES

With the nationwide development of state of the art ICT infrastructure, the challenges for all of us as stakeholders Include:



Initiatives to Stimulate Broadband Demand

- Increase public awareness to demand, given the high costs of deployment of broadband networks, especially in rural and remote areas
- Partnership between Government and the Private Sector and Civil Society in promoting the development and extension of e-government services, which in turn stimulate demand for broadband services
- Lowering the cost of end-user terminals through import duty and other tax reductions and possibly subsidizing broadband equipment for social services in schools, hospitals, etc.

Initiatives to Stimulate Broadband Demand

- Supporting local, relevant, Internet content in local languages
- Educating citizens about the benefits of broadband while further developing Internet skills
- Ensuring that consumers have enough information on providers and pricing options as well as available technology

SIGNING ITU CYBER SECURITY COOPERATION AGREEMENT



CONCLUSION





**THANK YOU FOR YOUR
ATTENTION**